

MAT-7985US

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: H. Fujinaka : Art Unit: 2834
Serial No.: 09/607,103 : Examiner: T. Lam
Filed: June 29, 2000 :
For: MOTOR CORE AND MOTOR :
USING THE SAME

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AMENDMENT

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FEB 21 2003

Assistant Commissioner for Patents
Washington, DC 20231

OFFICE OF PETITIONS

S I R :

Responsive to the Official Action dated December 10, 2002, please
amend the above-identified application as follows:

CLAIMS:

Please replace claims 1 and 42 with the following amended claims:

- 1 1. (Twice Amended) A core for use in a motor, said motor including N
- 2 and S magnetic poles for generating a magnetic field to which said core is opposed,
- 3 said core comprising:
- 4 a plurality of slots formed in said core, said plurality of slots each
- 5 have an electrical angle which is one of:
- 6 a) between 90 degrees and 95 degrees; and
- 7 b) between 20 degrees and 35 degrees,
- 8 a number of said magnetic poles is $2m$ and a number of said slots is
- 9 $3n$ (m and n are integers).

1 42. (Twice Amended) A motor including:

2 (a) magnetic field generating means having N and S magnetic poles
3 for generating a magnetic field; and

4 (b) a core made of magnetic material and opposed to said magnetic
5 field generating means;

6 wherein one of said magnetic field generating means and said core
7 rotates with respect to the other,

8 wherein a number of said magnetic poles is $2m$ and a number of slots
9 of said core is $3n$ (m and n are integers), and

10 a plurality of slots formed in said core, said plurality of slots each
11 have an electrical angle which is one of:

12 a) between 90 degrees and 95 degrees; and

13 b) between 20 degrees and 35 degrees.